CLAIMS

(Currently amended) A capacitive touch pad comprising cover and first layers,

the cover layer comprising a non-conductive cover providing galvanic isolation of the first layer.

the first layer comprising a plurality of row-shaped row-sensing electrodes and a row-bycolumn array of column-sensing electrodes,

each column of column-sensing electrodes interconnected by conductive traces,

the row-sensing electrodes and column-sensing electrodes defining interleaved combs therebetween

each column-sensing electrode overlapping at least two row-shaped, row-sensing electrodes,

each comb comprising at least two fingers.

- (Original) The capacitive touch pad of claim 1 wherein the fingers are no wider than eight mils.
- (Original) The capacitive touch pad of claim 1 wherein the fingers define spaces therebetween, and the spaces are no wider than eight mils.
- (Previously presented) The capacitive touch pad of claim 1 further comprising a second layer, the first layer lying between the cover and second layers, the second layer comprising a ground plane.
- (Previously presented) The capacitive touch pad of claim 4 further comprising a third layer, the second layer lying between the first and third layers, the third layer bearing circuitry.
- (Previously presented) The capacitive touch pad of claim 1 wherein in the first layer further comprises annular copper around the electrodes.
- (Original) The capacitive touch pad of claim 6 wherein the annular copper is connected to ground potential.

- (Canceled)
- (Previously presented) The capacitive touch pad of claim 4 further comprising an isolator/dielectric layer between the first and second layers.
- (Previously presented) The capacitive touch pad of claim 5 further comprising an isolator/dielectric layer between the second and third layers.
- 11. (Previously presented) The capacitive touch pad of claim 1 wherein the number of rows is at least three and the number of columns is at least three.
- (Previously presented) The capacitive touch pad of claim 11 wherein the number of rows
 is at least eleven and the number of columns is at least thirteen.
- 13. (Currently amended) A capacitive touch pad comprising cover and first layers,

the cover layer comprising a non-conductive cover providing galvanic isolation of the first layer,

the first layer comprising a plurality of row-shaped row-sensing electrodes and a row-bycolumn array of column-sensing electrodes.

each column of column-sensing electrodes interconnected by conductive traces,

the row-sensing electrodes and column-sensing electrodes defining interleaved combs therebetween.

each column-sensing electrode overlapping at least two row-shaped, row-sensing electrodes,

each comb comprising at least two fingers,

the touch pad further comprising a second layer,

the first layer lying between the cover and second layers,

the second layer comprising a ground plane.

 (Previously presented) The capacitive touch pad of claim 13 further comprising a third layer.

the second layer lying between the first and third layers,

the third layer bearing circuitry.

15. (Currently amended) A capacitive touch pad comprising cover and first layers,

the cover layer comprising a non-conductive cover providing galvanic isolation of the first layer,

the first layer comprising a plurality of row-shaped row-sensing electrodes and a row-bycolumn array of column-sensing electrodes,

each column of column-sensing electrodes interconnected by conductive traces,

the row-sensing electrodes and column-sensing electrodes defining interleaved combs therebetween

each column-sensing electrode overlapping at least two row-shaped, row-sensing electrodes,

each comb comprising at least two fingers,

wherein in the first layer further comprises annular copper around the electrodes.

- (Previously presented) The capacitive touch pad of claim 15 wherein the annular copper is connected to ground potential.
- (Previously presented) The capacitive touch pad of claim 13 further comprising an isolator/dielectric layer between the first and second layers.
- (Previously presented) The capacitive touch pad of claim 14 further comprising an isolator/dielectric layer between the second and third layers.
- 19. (Currently amended) A capacitive touch pad,

the touch pad defining top, bottom, left, and right edges,

the pad comprising cover and first layers,

the cover layer comprising a non-conductive cover providing galvanic isolation of the first layer,

the first layer comprising a plurality of row-shaped row-sensing electrodes each extending toward the left and right edges, and a row-by-column array of column-sensing electrodes. each column of column-sensing electrodes interconnected by conductive traces,

the row-sensing electrodes and column-sensing electrodes defining interleaved combs therebetween

each column-sensing electrode overlapping at least two row-shaped, row-sensing electrodes,

each comb comprising at least two fingers,

at least one regular row-shaped row-sensing electrode having fingers extending toward the top edge and having fingers extending toward the bottom edge,

at least one row of column-sensing electrodes having fingers extending toward the top edge and having fingers extending toward the top edge.

- (Previously presented) The capacitive touch pad of claim 19 wherein the fingers are no wider than eight mils.
- (Previously presented) The capacitive touch pad of claim 19 wherein the fingers define spaces therebetween, and the spaces are no wider than eight mils.
- (Previously presented) The capacitive touch pad of claim 19 further comprising a second layer,

the first layer lying between the cover and second layers,

the second layer comprising a ground plane.

 (Previously presented) The capacitive touch pad of claim 22 further comprising a third layer,

the second layer lying between the first and third layers,

the third layer bearing circuitry.

- 24. (Previously presented) The capacitive touch pad of claim 19 wherein the first layer further comprises annular copper around the electrodes.
- (Previously presented) The capacitive touch pad of claim 24 wherein the annular copper is connected to ground potential.

- (Previously presented) The capacitive touch pad of claim 22 further comprising an isolator/dielectric layer between the first and second layers.
- (Previously presented) The capacitive touch pad of claim 23 further comprising an isolator/dielectric layer between the second and third layers.
- 28. (Previously presented) The capacitive touch pad of claim 19 wherein the number of rows is at least three and the number of columns is at least three.
- (Previously presented) The capacitive touch pad of claim 28 wherein the number of rows is at least eleven and the number of columns is at least thirteen.
- (Previously presented) The capacitive touch pad of claim 19 wherein each of the columnsensing electrodes has fingers extending toward the top edge and has fingers extending toward the bottom edge.